

FORM PTO-1390 (REV 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 420/50547	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371					
INTERNATIONAL APPLICATION NO. PCT/DE00/01510				INTERNATIONAL FILING DATE 12 May 2000 (12.05.00)	
				U.S. APPLICATION NO. 09/980122 (35 CFR 1.5)	
				PRIORITY DATE CLAIMED 31 May 1999 (31.05.99)	
TITLE OF INVENTION: SEMICONDUCTING GAS SENSOR, GAS SENSOR SYSTEM, AND METHOD OF GAS ANALYSIS					
APPLICANT(S) FOR DO/EO/US: Thomas BECKER; Stefan MUEHLBERGER and Gerhard MUELLER					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1.	X	This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.			
2.		This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371			
3.		This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).			
4.	X	A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.			
5.	X	A copy of the International Application as filed (35 U.S.C. 371(c)(2)).			
	a.	is transmitted herewith (required only if not transmitted by the International Bureau).			
	b.	X	has been transmitted by the International Bureau (PCT/IB/308 Attached)		
	c.	is not required, as the application was filed in the United States Receiving Office (RO/US)			
6.	X	A translation of the International Application into English (35 U.S.C. 371(c)(2)).			
7.		Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))			
	a.	are transmitted herewith (required only if not transmitted by the International Bureau).			
	b.	have been transmitted by the International Bureau.			
	c.	have not been made; however, the time limit for making such amendments has NOT expired.			
	d.	have not been made and will not be made.			
8.		A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).			
9.	X	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <b>Unexecuted - 2 pages</b>			
10.	X	A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
<b>Item 11. to 16. below concern other document(s) or information included:</b>					
11.		An Information Disclosure Statement under 37 CFR 1.97 and 1.98.			
12.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <b>1 PAGE</b>			
13.	X	A <b>FIRST</b> preliminary amendment.			
		A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.			
14.		A substitute specification.			
15.		A change of power of attorney and/or address letter.			
16.	X	Other items or information: PCT/IB/308; 7 sheets of drawing showing Figures 1-10; Notification of a Recording of a Change; Notification of Receipt of Record Copy; First page of published International Application			

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U.S. APPLICATION NO. (unknown, see 37 CFR 1.53) <b>09/98 122</b>		INTERNATIONAL APPLICATION NO. <b>PCT/DE00/01510</b>		ATTORNEY'S DOCKET NUMBER <b>420/50547</b>	
17. <input type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY
Basic National Fee (37 CFR 1.492(a)(1)-(5)):					
Search Report has been prepared by the EPO or JPO \$890.00				890.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482)					
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))					
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO					
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$890.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$130.00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	26- 20 =	6	X \$18.00	\$108.00	
Independent Claims	21- 3 =		X \$84.00	\$	
Multiple dependent claims(s) (if applicable)			+ \$280.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1128.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).					
<b>SUBTOTAL =</b>				\$1128.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$1128.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					
<b>TOTAL FEE ENCLOSED =</b>				\$1128.00	
				Amount to be:	\$
				refunded	
				charged	\$
a. <input type="checkbox"/> Two checks in the amount of \$_____ for the filing fee and \$_____ for the assignment recording fee are enclosed					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>05-1323</u> in the amount of \$ <u>1,128.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. <u>05-1323</u> . (Attorney Docket No. <u>420/50547</u> .) A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:				<i>Gary R. Edwards</i>	
CROWELL & MORING LLP				SIGNATURE	
P.O. Box 14300				Gary R. Edwards	
Washington, D.C. 20044-4300				NAME	
Tel. No. (202) 628-8800				31,824	
Fax No. (202) 628-8844				REGISTRATION NUMBER	
				30 November 2001	
				DATE	

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